

MAT-8801US

10/567893

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No.: To Be Assigned  
 Applicant: Tomohiko Taniguchi  
 Filed: Herewith  
 Title: DISTURBING SIGNAL DETECTING DEVICE  
 AND OFDM RECEIVER USING THE SAME  
 TC/A.U.: To Be Assigned  
 Examiner: To Be Assigned

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08a and PTO/SB/08b submitted herewith. A copy of the references listed on the PTO/SB/08a and PTO/SB/08b forms are enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese references are not in the English language:

/F.N./



- 1) 11-215095
- 2) 2002-158631
- 3) 2004-120789
- 4) 11-346205
- 5) 2004-140739
- 6) WO 03/088538
- 7) 2001-44965

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/F.N./ 8) 11-252040

/F.N./ 9) 2000-115087

References 1) - 9) include an English language abstract. Reference 7) includes a "concise explanation" under 37 CFR § 1.98(a)(3) as set forth in the specification at page 3, line 19, and page 4, line 12. Reference 8) includes a "concise explanation" under 37 CFR § 1.98(a)(3) as set forth in the specification at page 4, line 1, and at page 4, line 21.

References 1) - 6) were cited by a foreign patent office in a counterpart foreign application. A copy of this Japanese language search report, indicating the degree of relevance determined by the foreign patent office is submitted herewith. MPEP Section 609(a)iii, second paragraph.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicant

LEA/dmw

Enclosures:

PTO/SB/08a and PTO/SB/08b  
(11) References

Dated: February 8, 2006

P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

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February 8, 2006

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/Fan Ng/ (06/26/2009)

06/26/2009

  
Kathleen Libby

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

## Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith <b>10/567893</b>
First Named Inventor	Tomohiko Taniguchi
Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	MAT-8801US

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
/F.N./		JP 11-215095 A (with English abstract)	08/06/1999	JISEDAI DIGITAL TELEVISION HOSO SYSTEM KENKYUSHO:KK		<input type="checkbox"/>
		JP 2002-158631 A (with English abstract)	05/31/2002	TOSHIBA CORP		<input type="checkbox"/>
		JP 2004-120789 A (with English abstract)	04/15/2004	KANSAI TELECASTING CORP		<input type="checkbox"/>
		JP 11-346205 A (with English abstract)	12/14/1999	JISEDAI DIGITAL TELEVISION HOSO SYSTEM KENKYUSHO:KK TOSHIBA CORP		<input type="checkbox"/>
		JP 2004-140739 A (with English abstract)	05/13/2004	FUJITSU LTD		<input type="checkbox"/>
		WO 03/088538 A1 (with English abstract)	10/23/2003	MATSUSHITA ELECTRIC INDUSTRIAL CO LTD		
		JP 2001-44965 A (with English abstract)	02/16/2001	TOSHIBA CORP		
		JP 11-252040 A (with English abstract)	09/17/1999	TOSHIBA CORP TOSHIBA AVE CO LTD		
		JP 2000-115087 A (with English abstract)	04/21/2000	JISEDAI DIGITAL TELEVISION HOSO SYSTEM KENKYUSHO:KK TOSHIBA CORP		<input type="checkbox"/>

Examiner Signature	/Fan Ng/ (06/25/2009)	Date Considered	06/25/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup> Applicant's unique citation designation number (optional).

<sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.N./

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

SHEET 2 of 2

Complete if Known

Application Number	To Be Assigned	<b>10/567893</b>
Filing Date	Herewith	
First Named Inventor	Tomohiko Taniguchi	
Art Unit	To Be Assigned	
Examiner Name	To Be Assigned	
Attorney Docket No.	MAT-8801US	

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/F.N./		Japanese language International Search Report for PCT/JP2005/012024, dated October 11, 2005.	<input type="checkbox"/>
↓		"Chapter 2: Overview of the ISDB-T System in the standard specification", "Transmission System for Digital Terrestrial Television Broadcasting" (ARIB STD-B31 version 1.1), page 8, lines 2-9, by Association of Radio Industries and Businesses.	<input type="checkbox"/>
↓		"2.4.3 Maximum Likelihood Demodulation on White Gaussian Channel" in "Chapter 2: Fundamental Concept of Code Theory, Code Theory", pages 37 and 38, compiled by The Institute of Electronics, Information and Communication Engineers, written by Hideki Imai (in Japanese).	<input type="checkbox"/>
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Examiner Signature	/Fan Ng/ (06/25/2009)	Date Considered	06/25/2009
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<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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